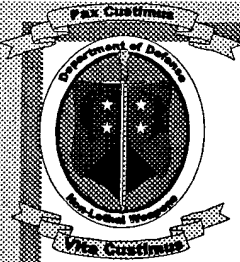


The U.S. Department of Defense Joint Non-Lethal Weapons Program



NON-LETHAL DEFENSE CONFERENCE III
25 - 26 FEB 1998



PURPOSE

**To provide an overview of the U.S.
Department of Defense's Joint Non-
Lethal Weapons Program**

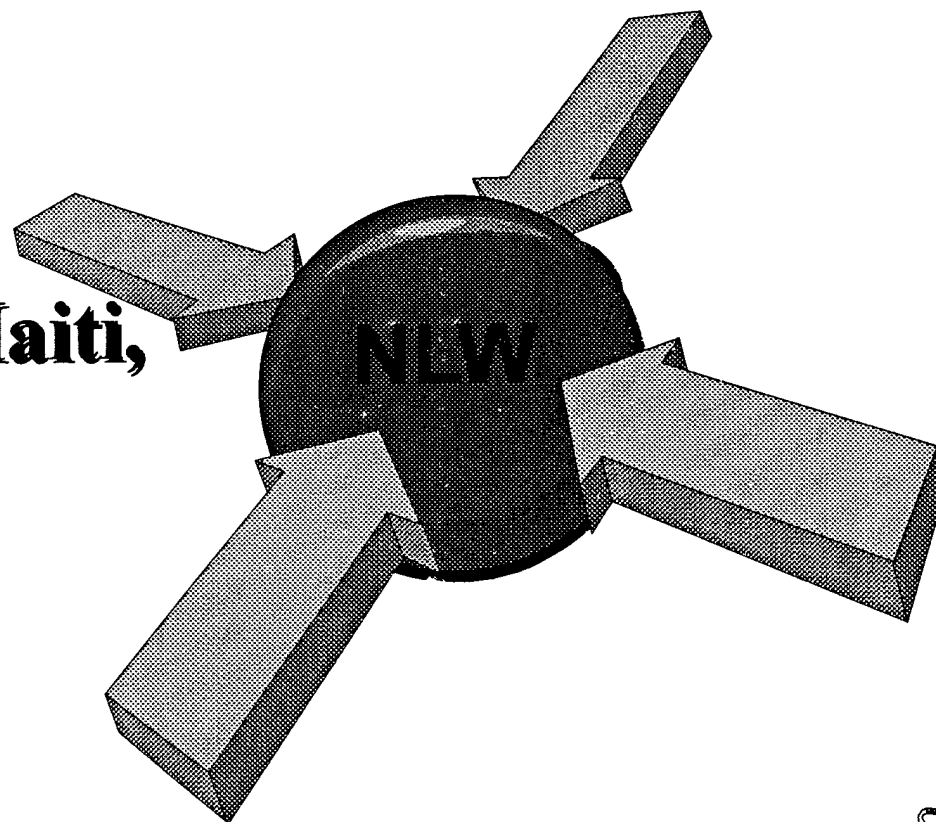
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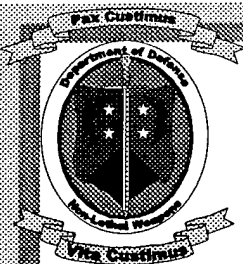
Where We Came From

- 1970/80's many disjointed efforts
- 1990's: Somalia, Haiti, Bosnia
- General Zinni
- Congress & OSD



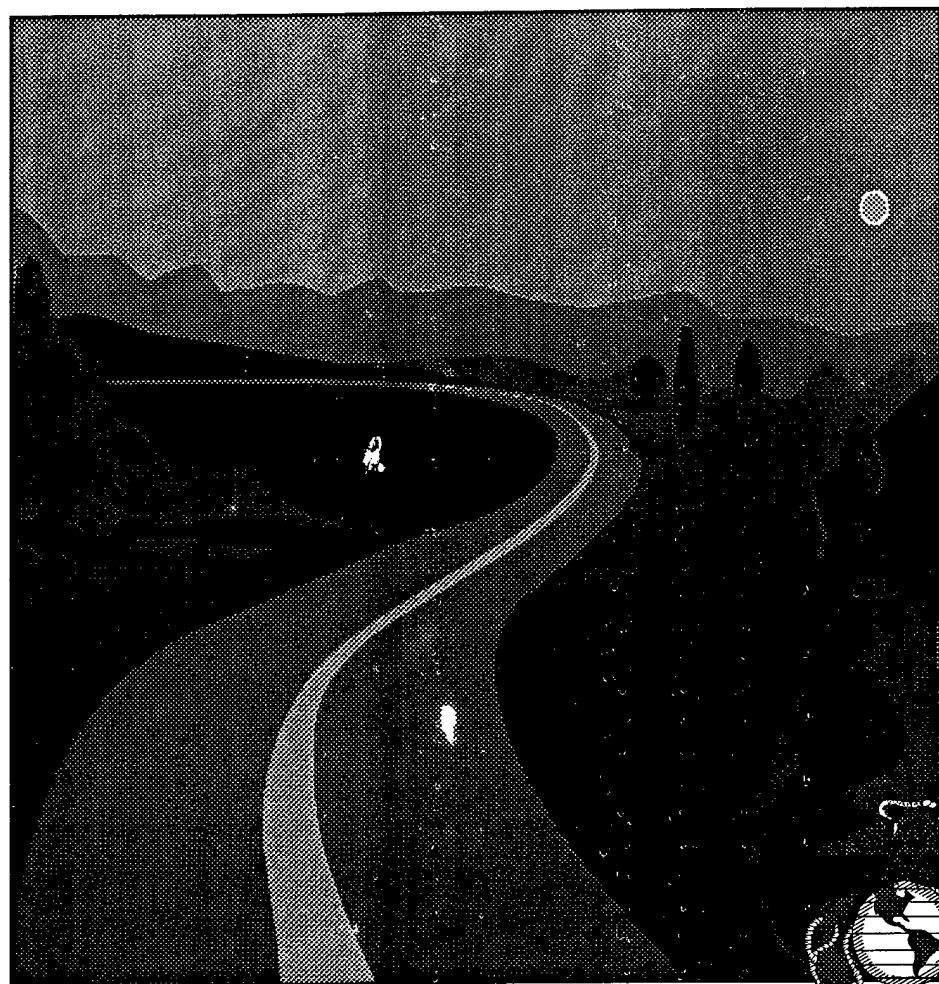
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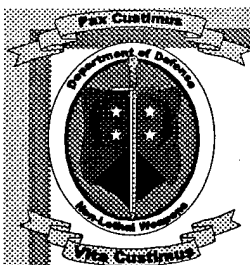


Where We Are Headed

- **A joint, coordinated and focused effort**
- **Oriented toward more rapid fielding**
- **Blend of low tech, near-term with high tech, long range**



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USD(A&T)

NLW Senior
Steering
Committee

Executive
Agent

NLW IPT

Integrated
Product
Team

NLW
DIRECTORATE

JOINT CONCEPTS/
REQUIREMENTS
GROUP

JCRG

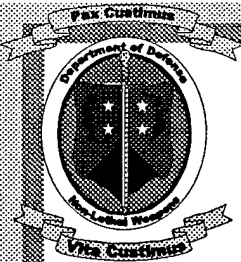
JOINT
ACQUISITION
GROUP

JAG

NLW Management Structure

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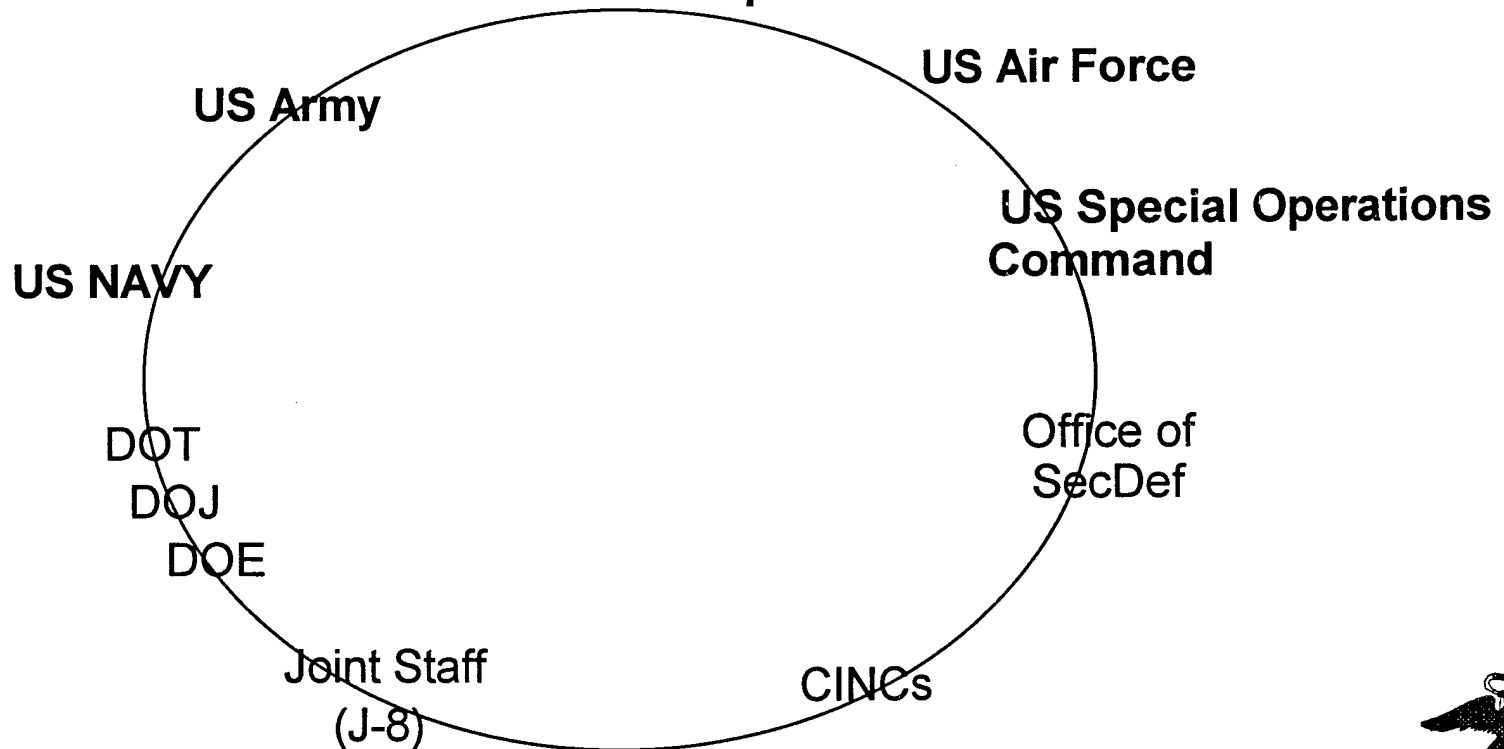




Integrated Product Team (IPT)



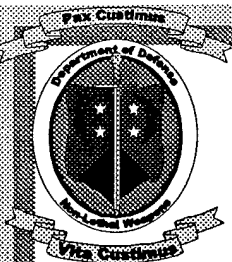
US Marine Corps



Voting Members in **bold**

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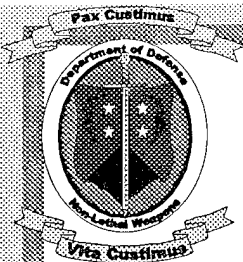


Directorate Responsibilities

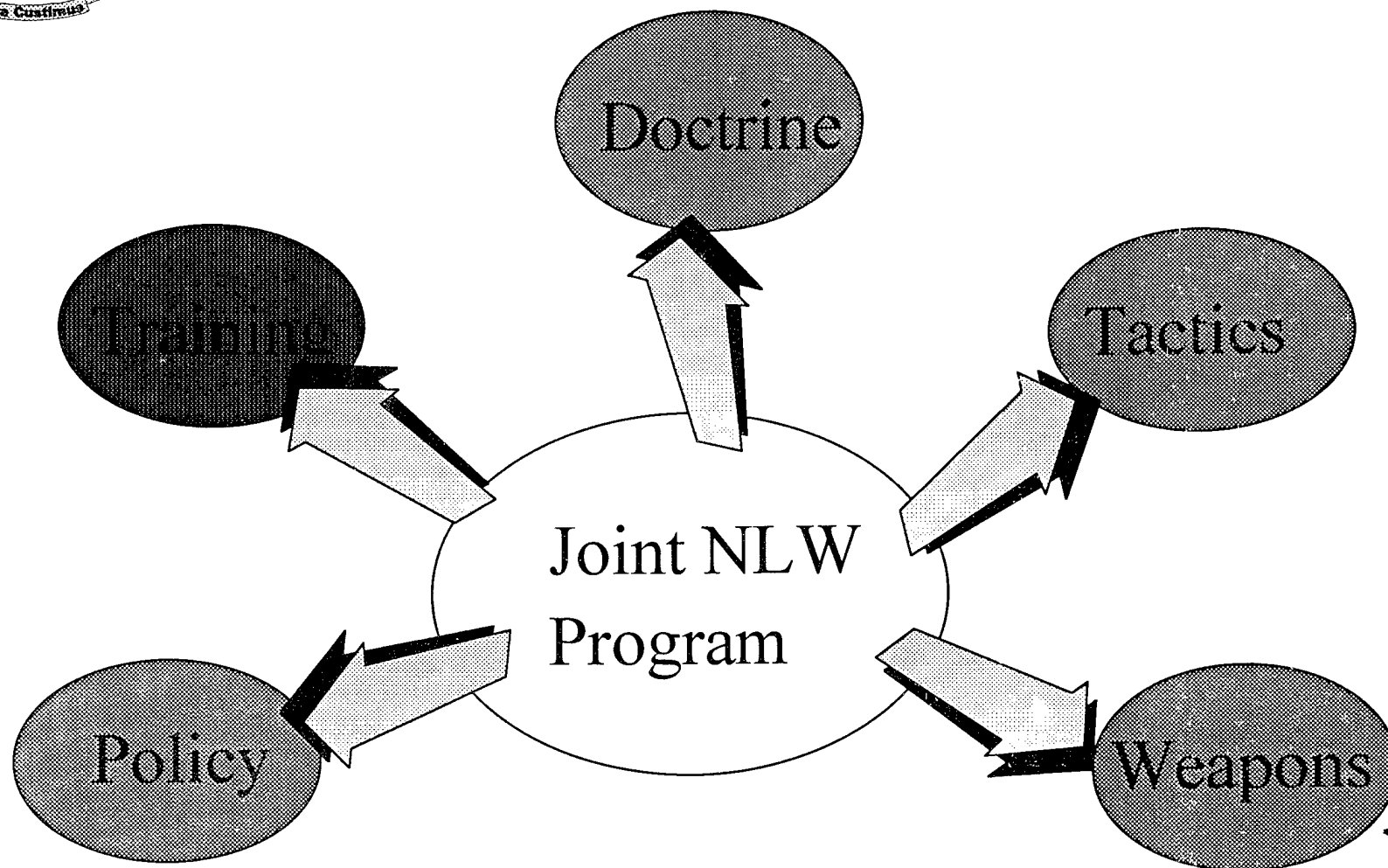
- **Perform day-to-day activities for EA**
- **Manage joint funds**
- **Liaison w/DoD, OGAs, and foreign governments**
- **Publish Master Plan**
- **Assist in budget development**
- **Monitor execution of NLW Program**
- **Monitor other Service programs**
- **Promote exchange among Services**

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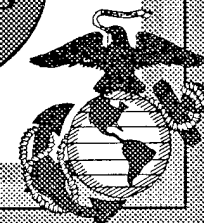


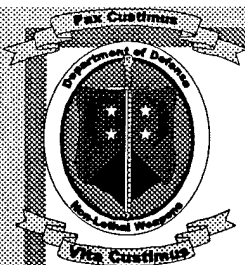


The NLW "Environment"



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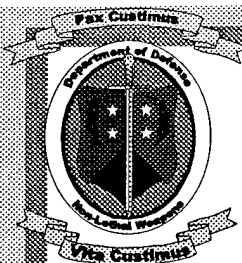
The Joint NLW Concept

"Guiding Principles"

- ★ **Leverage High Technology**
- ★ **Enhance Operations**
- ★ **Augment Deadly (Lethal) Force**
- ★ **Provide Rheostatic Capability**
- ★ **Focus on Tactical Applications**
- ★ **Expeditionary**
- ★ **Acceptable**
- ★ **Reversible Effects**

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The Joint NLW Concept

"Core Capabilities"

■ Counter-Personnel

- **Crowd Control**
- **Incapacitate Individuals**
- **Deny Access**
- **Clear Facilities/Structures**

■ Counter-Materiel

- **Area Denial (land, sea and/or air space)**
- **Disable/Neutralize Equipment or Facilities**

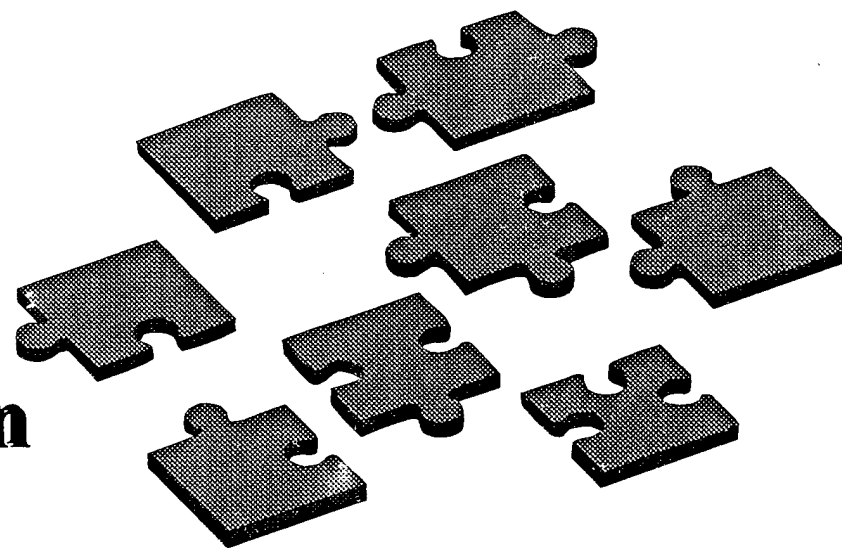
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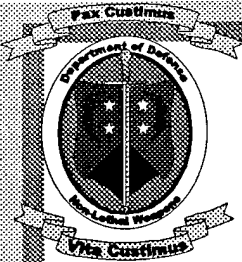
Non-Lethal Weapons Research & Development

- **Funded Projects**
- **Experimentation**
- **Modeling/Simulation**
- **Tech Investment**

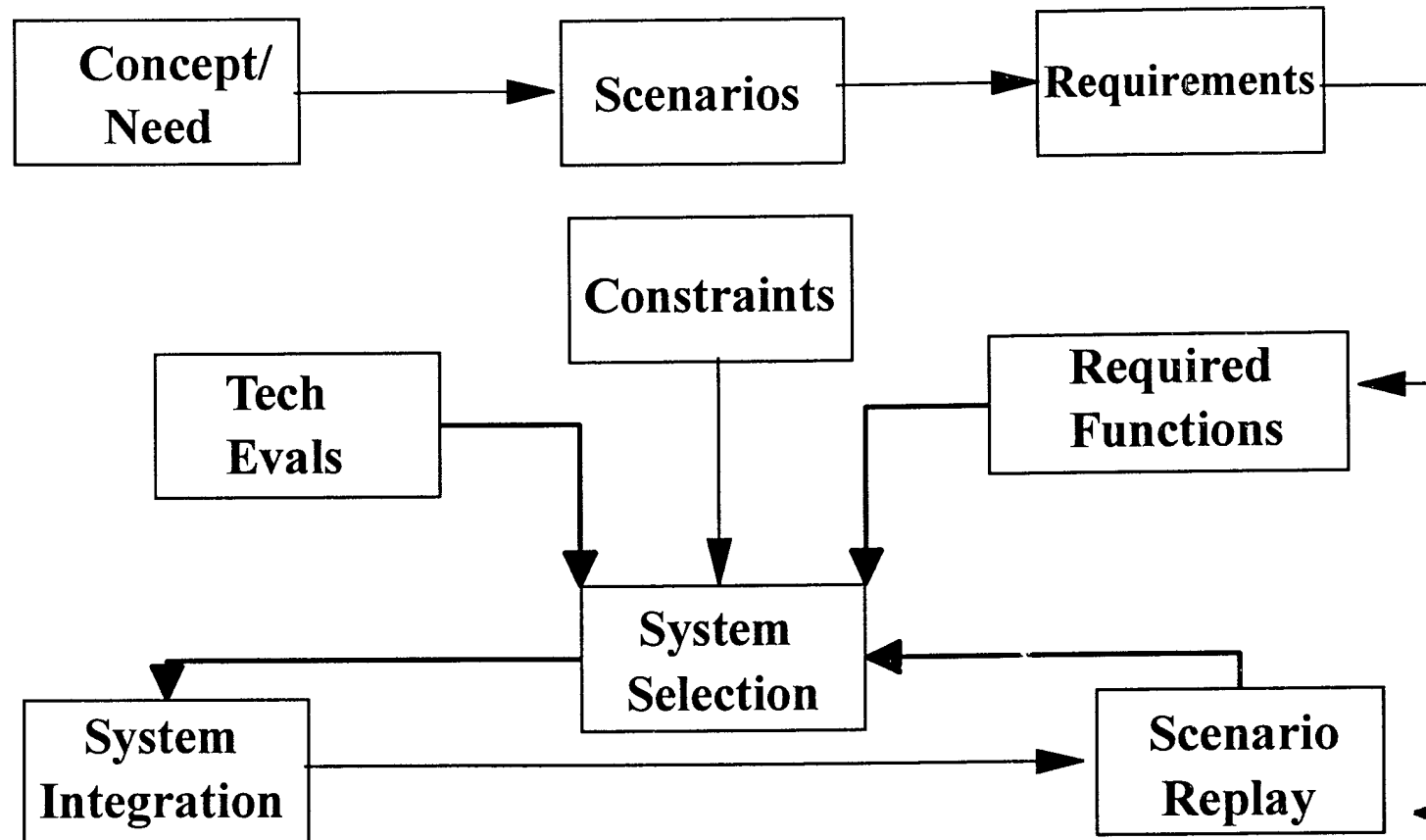


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A Concept-Based Systems Approach

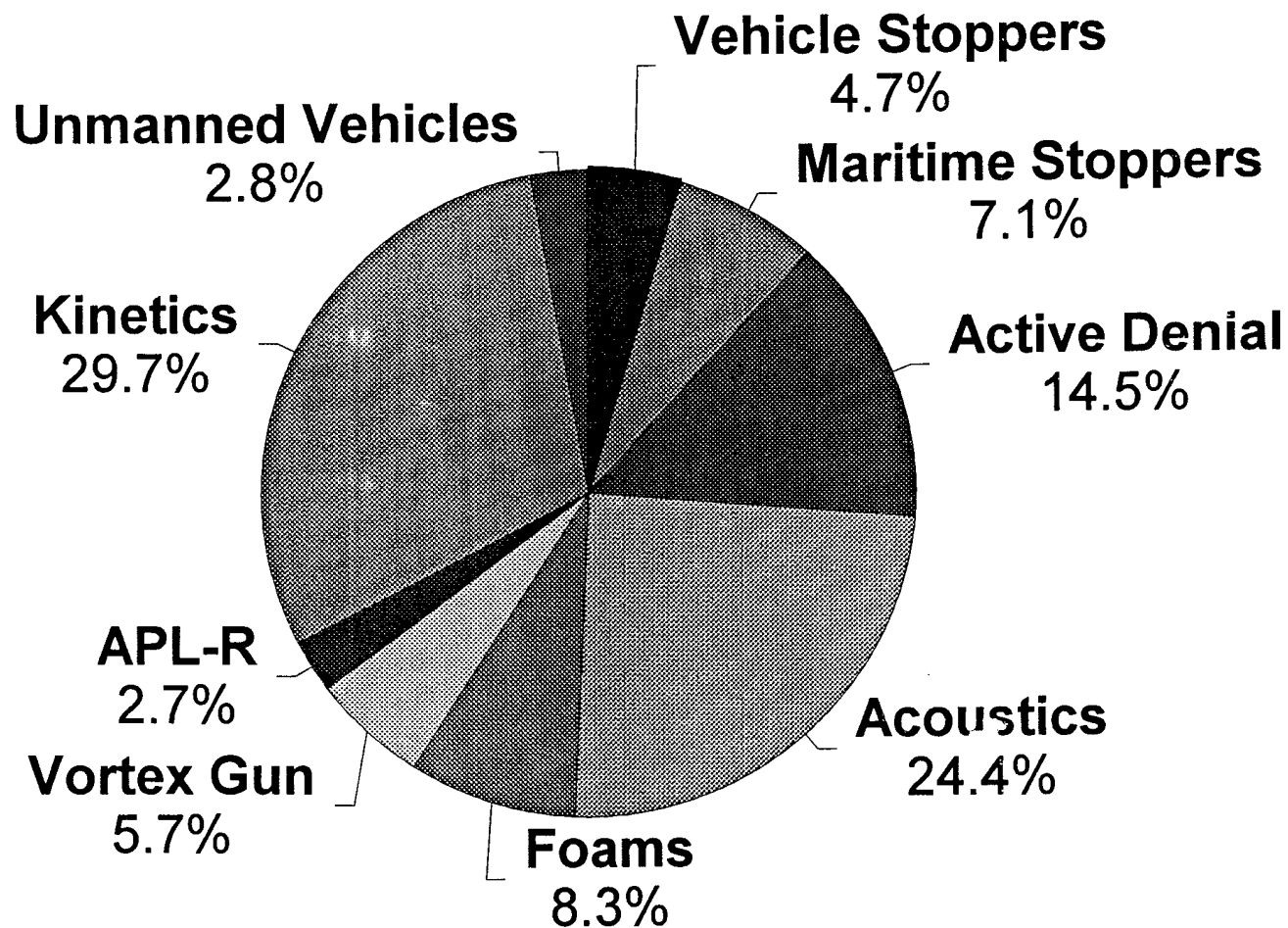


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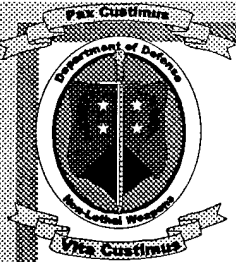


Technology Breakout

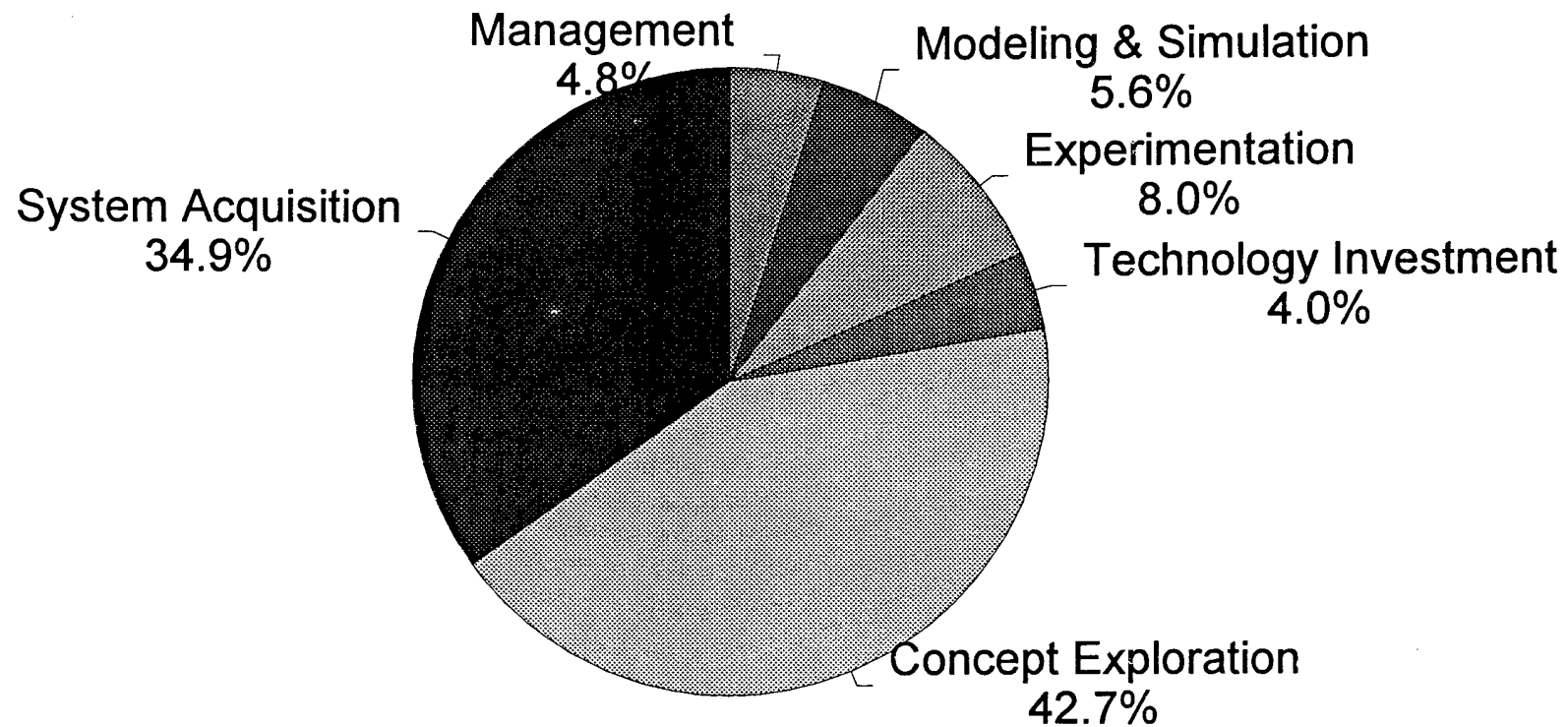


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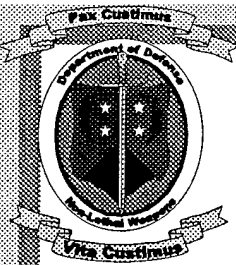


Year 2000 Funding Overview



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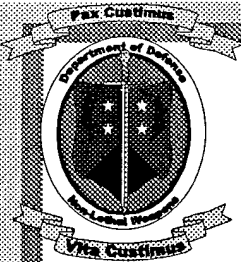


Rules of Engagement - NLWs

"Emerging Concepts"

- ✦ RCAs can not be addressed separately**
- ✦ No such thing as 100% non-lethality**
- ✦ NLWs always backed by lethal force**
- ✦ Availability does not limit commander**
- ✦ Need to define term "measured response"**
- ✦ Force protection primary consideration**



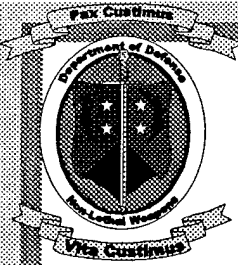


BOSNIA LESSONS

- ✓ **Level of knowledge in theater**
- ✓ **NL Policy/ROE**
- ✓ **Highly charged, political environment**
- ✓ **Available munitions/Other NL options**
- ✓ **Tactical employment concepts**
- ✓ **Sticky foam**

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Joint Services NLW Training

- Builds on past experience**
- Recognizes individual Services' training requirements**
- Comprehensive NL training package for resident trainer and user course, and mobile training capability**
- Training includes tactics, communications, crowd dynamics, weapons/munitions, and rules of engagement**

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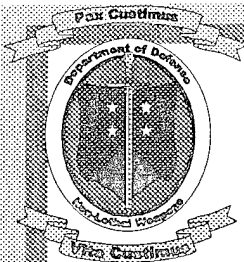


Other NLW Activities

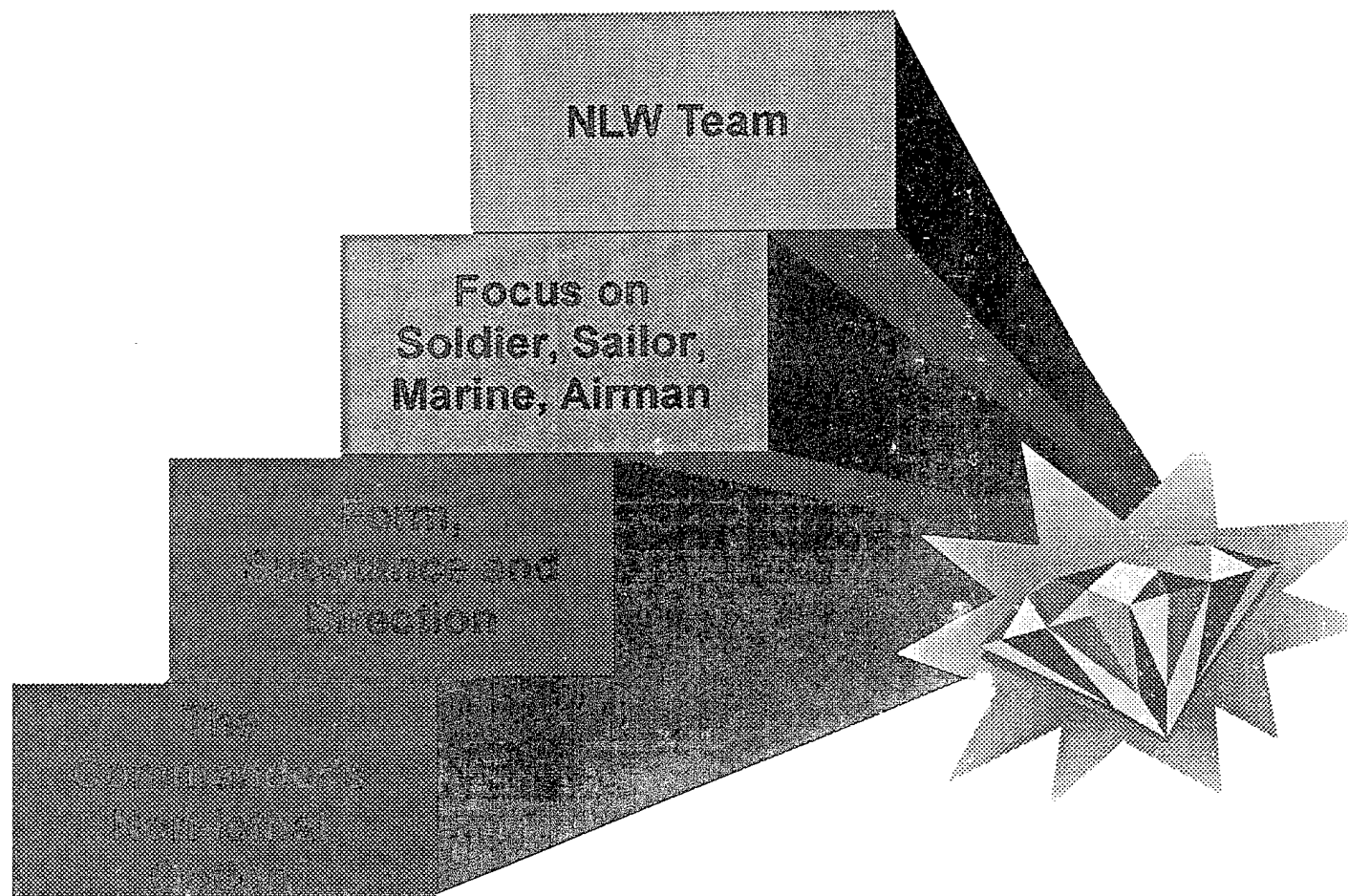
- **DOD NLW Web Site**
- **DOD NLW Database**
- **Human Effects Advisory Board**
- **Co-sponsor NLWD II Conference (2/98)**
- **Foreign Information Exchange**

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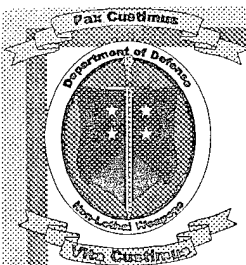


Summary



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QUESTIONS ?

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